IN THE CLAIMS:

The following listing of claims will replace all prior versions, and listings, of claims in the application.

1 – 46. (Cancelled)

47. (Previously Presented) A memory medium comprising program instructions for creating an image processing algorithm, wherein the program instructions are executable to implement:

performing one or more image processing functions on an image in response to user input;

recording the one or more image processing functions, wherein the one or more image processing functions define an image processing algorithm;

receiving user input specifying desired execution time criteria for the image processing algorithm;

executing the image processing algorithm in response to user input;

measuring an execution time that elapses during said executing the image processing algorithm; and

automatically changing the image processing algorithm based on the specified execution time criteria in order to reduce the execution time of the image processing algorithm, wherein said automatically changing the image processing algorithm is not performed directly in response to user input.

48. (Previously Presented) The memory medium of claim 47, wherein the program instructions are further executable to implement:

receiving user input to undo the changes made to the image processing algorithm in said automatically changing.

49. (Previously Presented) The memory medium of claim 47, wherein said automatically changing the image processing algorithm comprises automatically

changing one or more parameters of at least one image processing function in the image processing algorithm.

50. (Previously Presented) The memory medium of claim 47, wherein said automatically changing the image processing algorithm comprises automatically changing a number of pixels used in at least one image processing function in the image processing algorithm.

51. (Previously Presented) A computer-implemented method for creating an image processing algorithm, comprising:

performing one or more image processing functions on an image in response to user input;

recording the one or more image processing functions, wherein the one or more image processing functions define an image processing algorithm;

receiving user input specifying desired execution time criteria for the image processing algorithm;

executing the image processing algorithm in response to user input;

measuring an execution time that elapses during said executing the image processing algorithm; and

automatically changing the image processing algorithm based on the specified execution time criteria in order to reduce the execution time of the image processing algorithm, wherein said automatically changing the image processing algorithm is not performed directly in response to user input.

52. (Previously Presented) The method of claim 51, further comprising:

receiving user input to undo the changes made to the image processing algorithm in said automatically changing.

53. (Previously Presented) The method of claim 51, wherein said automatically changing the image processing algorithm comprises automatically changing one or more parameters of at least one image processing function in the image processing algorithm.

54. (Previously Presented) The method of claim 51, wherein said automatically changing the image processing algorithm comprises automatically changing a number of pixels used in at least one image processing function in the image processing algorithm.

55. (Previously Presented) A memory medium comprising program instructions for creating an image processing algorithm, wherein the program instructions are executable to implement:

performing one or more image processing functions on an image in response to user input;

recording the one or more image processing functions, wherein the one or more image processing functions define an image processing algorithm;

executing the image processing algorithm in response to user input;

measuring an execution time that elapses during said executing the image processing algorithm;

automatically generating one or more suggested changes to the image processing algorithm for reducing the execution time of the image processing algorithm; and

displaying information indicating the one or more suggested changes.

56. (Previously Presented) The memory medium of claim 55, wherein the program instructions are further executable to implement:

receiving user input accepting one or more of the suggested changes; and

automatically making the accepted changes to the image processing algorithm.

57. (Previously Presented) The memory medium of claim 55,

wherein one or more of the image processing functions have associated parameters;

wherein said automatically generating one or more suggested changes comprises automatically generating at least one suggested change to a parameter value associated with an image processing function.

58. (Previously Presented) The memory medium of claim 55, wherein the program instructions are further executable to implement:

receiving user input specifying desired execution time criteria;

wherein said automatically generating one or more suggested changes is performed based on said execution time criteria.

59. (Previously Presented) A computer-implemented method for creating an image processing algorithm, comprising:

performing one or more image processing functions on an image in response to user input;

recording the one or more image processing functions, wherein the one or more image processing functions define an image processing algorithm;

executing the image processing algorithm in response to user input;

measuring an execution time that elapses during said executing the image processing algorithm;

automatically generating one or more suggested changes to the image processing algorithm for reducing the execution time of the image processing algorithm;

displaying information indicating the one or more suggested changes to the image processing algorithm;

receiving user input accepting one or more of the suggested changes; and

automatically making the accepted changes to the image processing algorithm.

60. (New) A computer-implemented method for evaluating the performance of an image processing algorithm, the method comprising:

performing a plurality of image processing functions on an image in response to user input;

recording the plurality of image processing functions, wherein the plurality of image processing functions define an image processing algorithm;

receiving user input specifying a plurality of images on which to execute the image processing algorithm;

executing the image processing algorithm on each of the plurality of images;

measuring amounts of time that elapse while executing the image processing algorithm on each of the plurality of images;

determining an average amount of time required to execute the image processing algorithm, based on said measuring the amounts of time that elapse while executing the image processing algorithm on each of the plurality of images; and

automatically changing the image processing algorithm in order to reduce the execution time of the image processing algorithm.

61. (New) The method of claim 60, further comprising:

displaying information on a display device indicating the average amount of time required to execute the image processing algorithm for the plurality of images.

62. (New) The method of claim 60, further comprising:

categorizing the plurality of image processing functions into a plurality of image processing categories, wherein each image processing category includes one or more of the image processing functions;

for each of the plurality of images, measuring an amount of time that elapses during said executing the image processing algorithm for each of the plurality of image processing categories;

determining an average amount of time that elapses during said executing the image processing algorithm for each of the plurality of image processing categories;

63. (New) The method of claim 62, further comprising:

displaying information on a display device indicating the average amount of time required to execute the image processing algorithm for the plurality of images;

displaying information on the display device indicating the average amount of time that elapses during said executing the image processing algorithm for each of the plurality of image processing categories;

wherein said displaying the information indicating the average amount of time required to execute the image processing algorithm and said displaying the information

indicating the average amount of time that elapses during said executing the image processing algorithm for each of the plurality of image processing categories allows a user to evaluate performance of the image processing algorithm.

64. (New) The method of claim 60, wherein said automatically changing the image processing algorithm comprises automatically changing one or more parameters of at least one image processing function in the image processing algorithm.

65. (New) The method of claim 60, wherein said automatically changing the image processing algorithm comprises automatically changing a number of pixels used in at least one image processing function in the image processing algorithm.

66. (New) A memory medium comprising program instructions for creating an image processing algorithm, wherein the program instructions are executable to implement:

performing one or more image processing functions on an image in response to user input;

recording the one or more image processing functions, wherein the one or more image processing functions define an image processing algorithm;

receiving user input specifying desired execution time criteria for the image processing algorithm;

executing the image processing algorithm in response to user input;

measuring an execution time that elapses during said executing the image processing algorithm; and

automatically changing the image processing algorithm based on the specified execution time criteria in order to reduce the execution time of the image processing algorithm.

67. (New) The memory medium of claim 66, wherein the program instructions are further executable to implement:

receiving user input to undo the changes made to the image processing algorithm in said automatically changing.

68. (New) The memory medium of claim 66, wherein said automatically changing the image processing algorithm comprises automatically changing one or more parameters of at least one image processing function in the image processing algorithm.

69. (New) The memory medium of claim 66, wherein said automatically changing the image processing algorithm comprises automatically changing a number of pixels used in at least one image processing function in the image processing algorithm.

70. (New) A computer-implemented method for creating an image processing algorithm, comprising:

performing one or more image processing functions on an image in response to user input;

recording the one or more image processing functions, wherein the one or more image processing functions define an image processing algorithm;

receiving user input specifying desired execution time criteria for the image processing algorithm;

executing the image processing algorithm in response to user input;

measuring an execution time that elapses during said executing the image processing algorithm; and

automatically changing the image processing algorithm based on the specified execution time criteria in order to reduce the execution time of the image processing algorithm.

71. (New) The method of claim 70, further comprising:

receiving user input to undo the changes made to the image processing algorithm in said automatically changing.

72. (New) The method of claim 70, wherein said automatically changing the image processing algorithm comprises automatically changing one or more parameters of at least one image processing function in the image processing algorithm.

73. (New) The method of claim 70, wherein said automatically changing the image processing algorithm comprises automatically changing a number of pixels used in at least one image processing function in the image processing algorithm.